

## Addition and Subtraction of Complex Numbers WS #3

Simplify.

|  |  |
|--|--|
| 1) $(8 + 3i) + (5 + 6i)$                   | 2) $(9 + 7i) + (2 - 11i)$                  |
| 3) $(9 - 5i) + (2 + 9i)$                   | 4) $(15 + 7i) - (6 + 13i)$                 |
| 5) $(12 - 5i) - (4 + 7i)$                  | 6) $(4 - 7i) - (9 - 4i)$                   |
| 7) $(9 + \sqrt{-49}) + (5 + \sqrt{-16})$   | 8) $(6 - \sqrt{-81}) + (8 + \sqrt{-4})$    |
| 9) $(11 + \sqrt{-100}) - (2 + \sqrt{-25})$ | 10) $(13 - \sqrt{-196}) - (7 + \sqrt{-9})$ |
| 11) $(9 + \sqrt{-72}) + (2 + \sqrt{-50})$  | 12) $(17 + \sqrt{-48}) + (7 - \sqrt{-27})$ |
| 13) $(7 - \sqrt{-20}) + (4 - \sqrt{-125})$ | 14) $(12 + \sqrt{-96}) - (9 + \sqrt{-24})$ |
| 15) $(7 - \sqrt{-98}) - (11 + \sqrt{-18})$ | 16) $(9 - \sqrt{-12}) - (17 - \sqrt{-75})$ |
| 17) $ 9 + 3i $                             | 18) $ 4 - 6i $                             |